

FIG. 1 - Prior Art

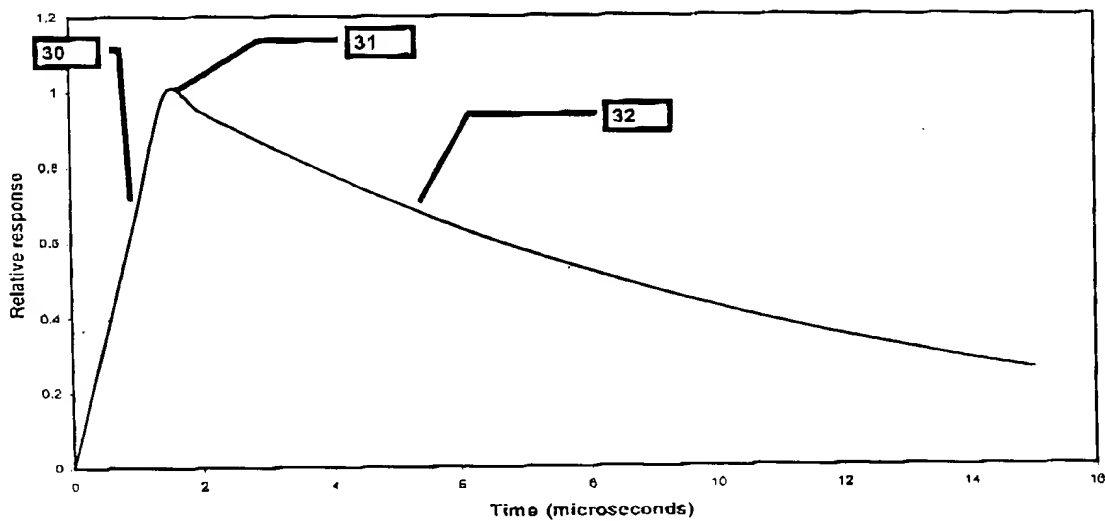


Fig. 2 - Prior Art

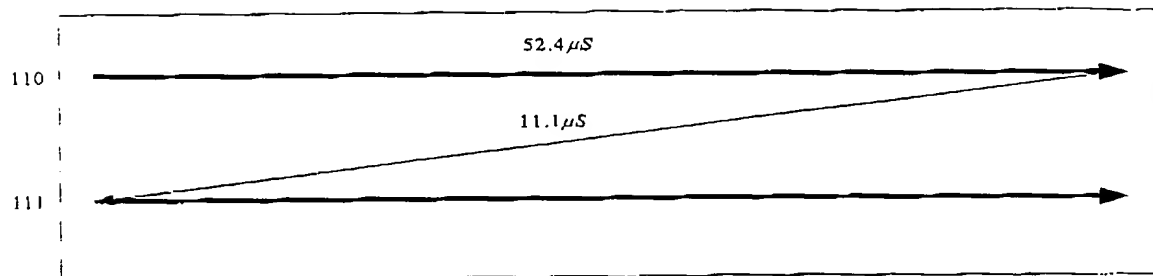


Fig. 3A - Prior Art

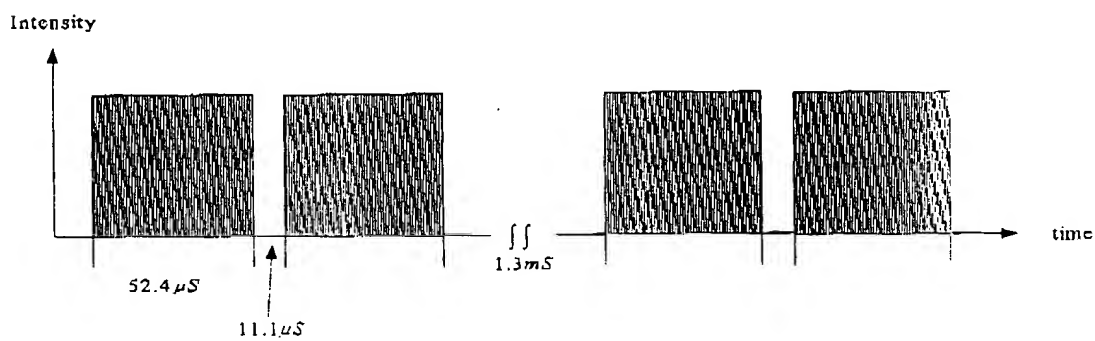


Fig. 3B - Prior Art

102230-02562660

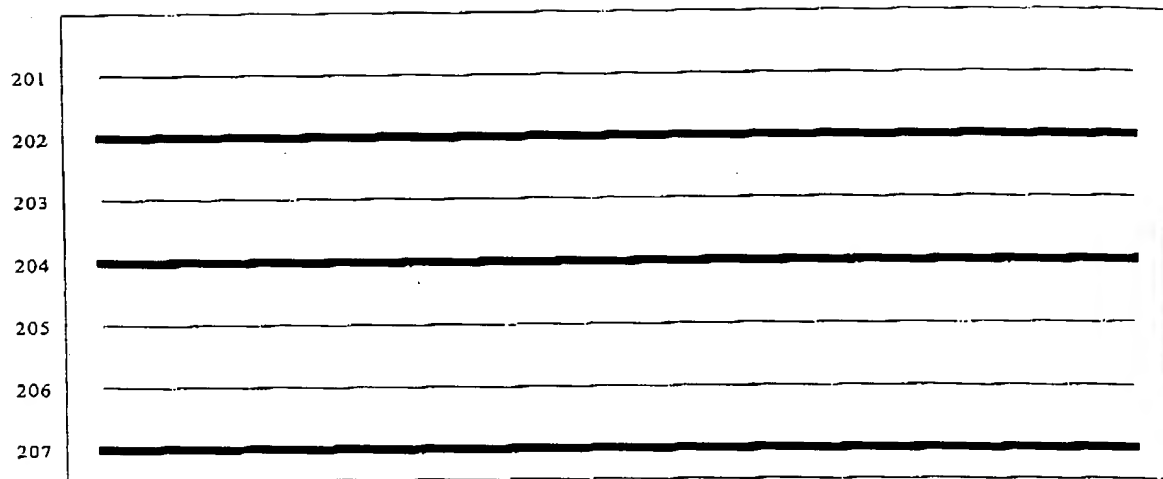


FIG. 4

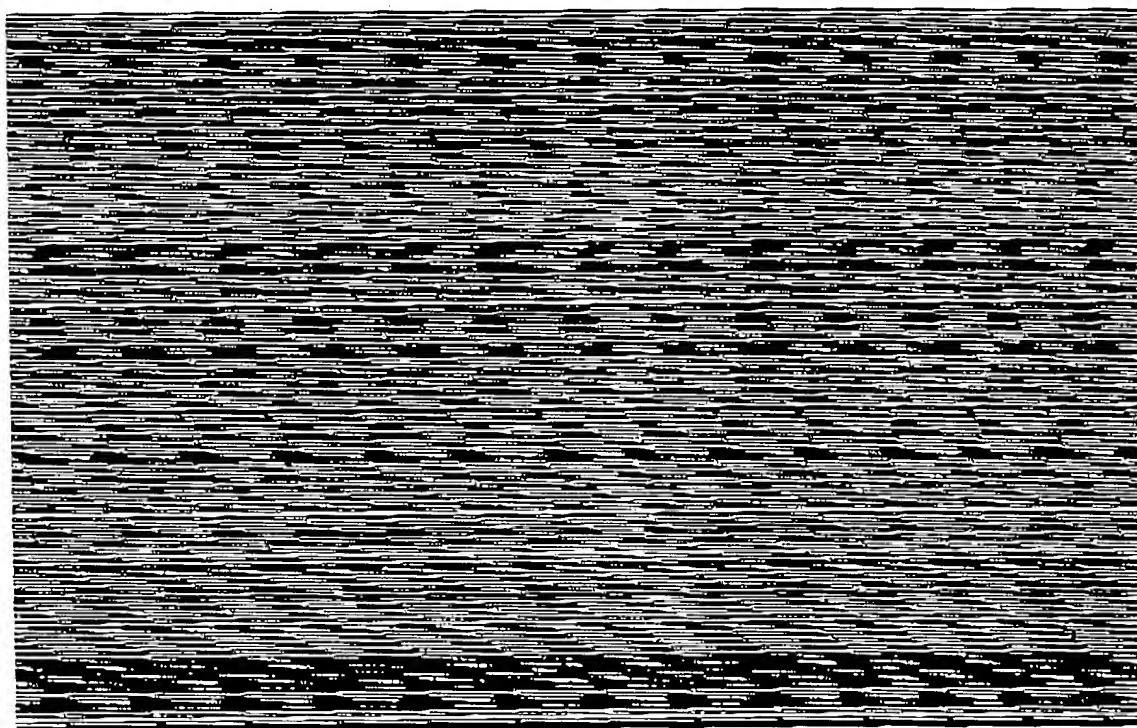


FIG. 5

0952550 082901
F03230" 03562660

03555500 03555500

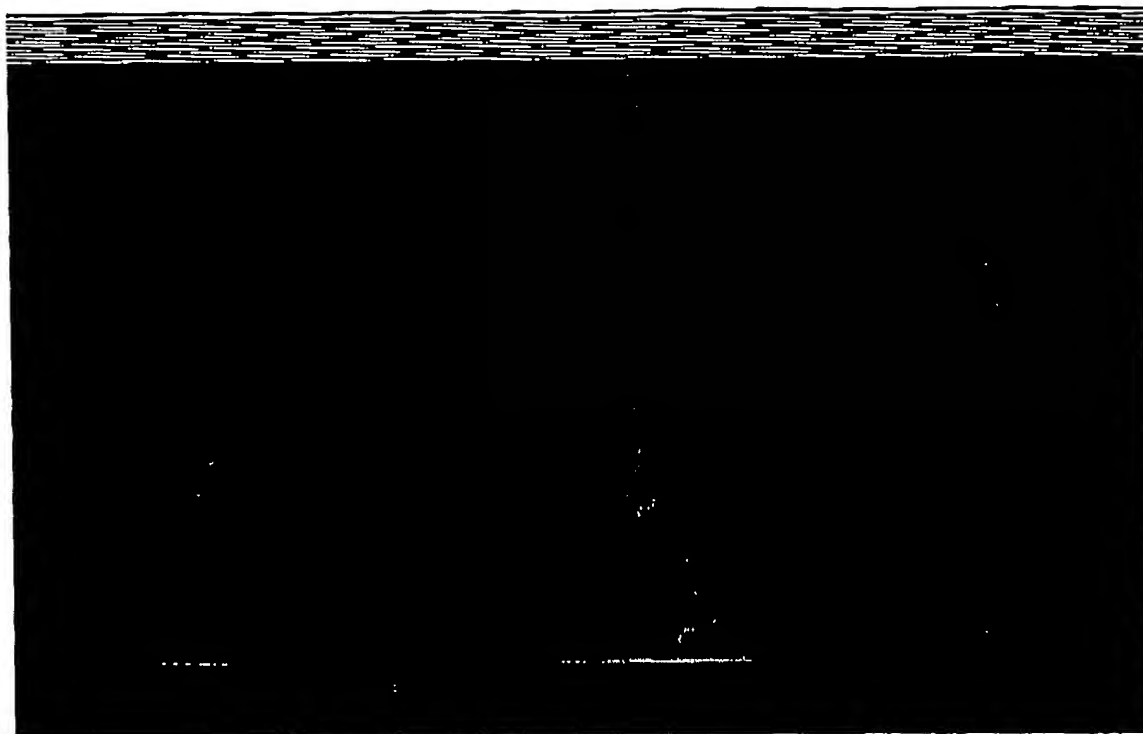


FIG. 6

The graph illustrates the percentage of the total population in the labor force for various countries from 1960 to 1980. The Y-axis represents the percentage, ranging from 401 to 406. The X-axis represents the year, ranging from 1960 to 1980. The data series are: Argentina (solid line), Brazil (dashed line), Canada (dotted line), France (dash-dot line), Germany (long dashed line), Italy (short dashed line), Japan (solid line with dots), Korea (solid line with crosses), Mexico (solid line with triangles), Netherlands (solid line with squares), Norway (solid line with diamonds), Sweden (solid line with circles), Switzerland (solid line with asterisks), Taiwan (solid line with pluses), and the U.S. (solid line with crosses). The U.S. shows a steady increase from approximately 401.5% in 1960 to 405.5% in 1980. Japan shows a sharp increase from approximately 401.5% in 1960 to 405.5% in 1980. Korea shows a sharp increase from approximately 401.5% in 1960 to 405.5% in 1980. Mexico shows a sharp increase from approximately 401.5% in 1960 to 405.5% in 1980. The other countries show relatively stable or slightly increasing trends.

Fig. 7B

108230 08562660

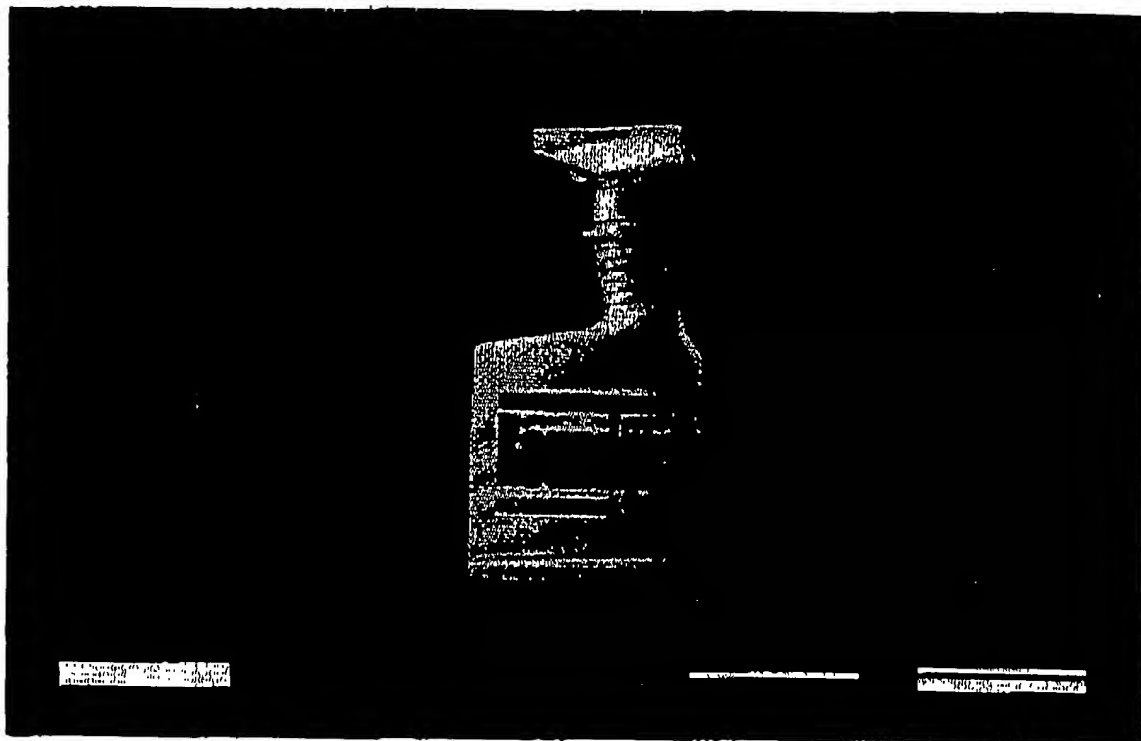


FIG. 8

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graph TD; Light[Light] --> Lens60[Lens 60]; Lens60 --> PhotoSensor61[Photo Sensor 61]; PhotoSensor61 --> Amplifier62[Amplifier 62]; Amplifier62 --> BandPassFilter63[Band Pass Filter 63]; BandPassFilter63 --> SchmittTrigger64[Schmitt Trigger 64]; SchmittTrigger64 --> IntervalCounter65[Interval Counter 65]; IntervalCounter65 --> Microcontroller[To Microcontroller];
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FIG. 9

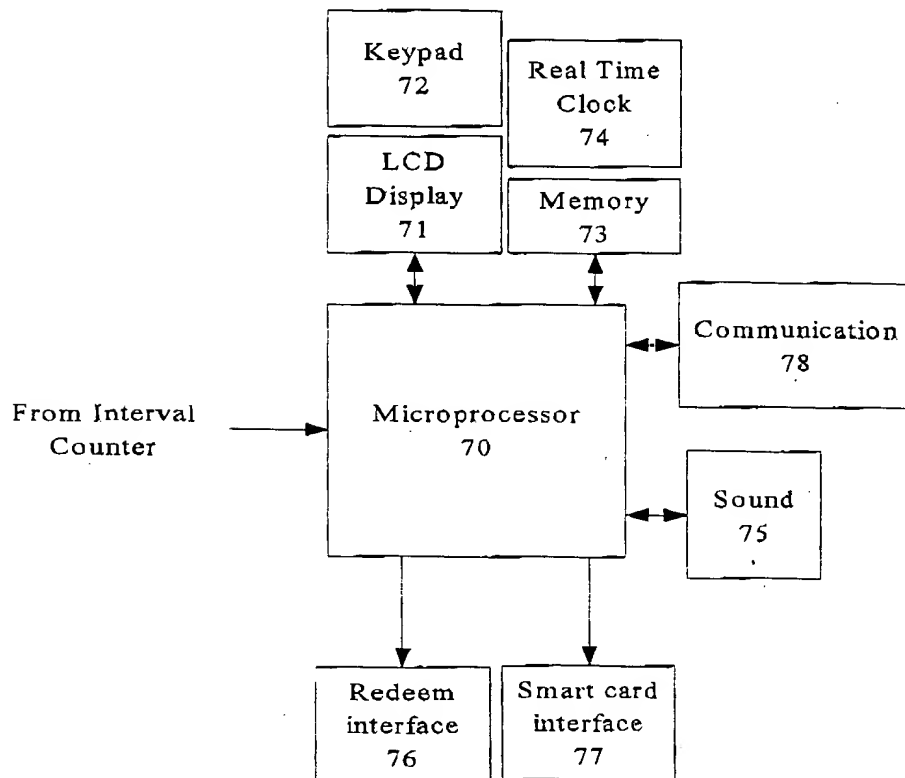


FIG. 10

108230" 08562660

Typical response to video

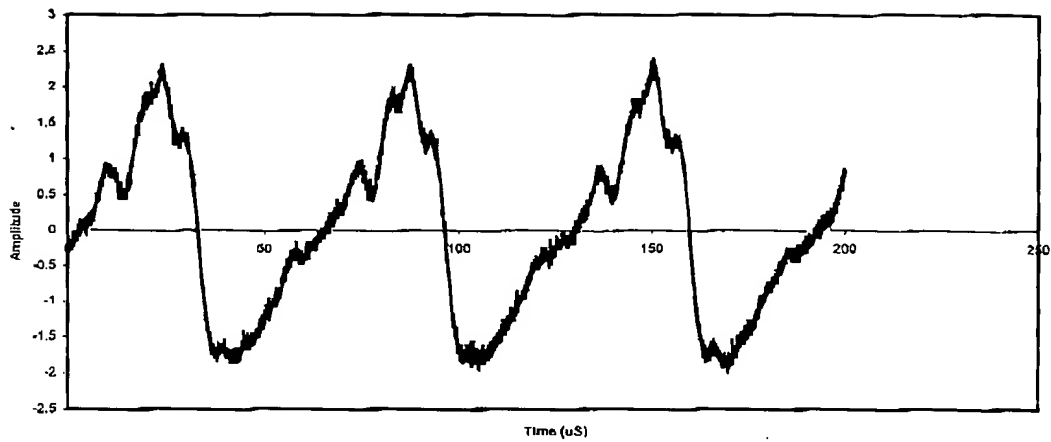


FIG. 11

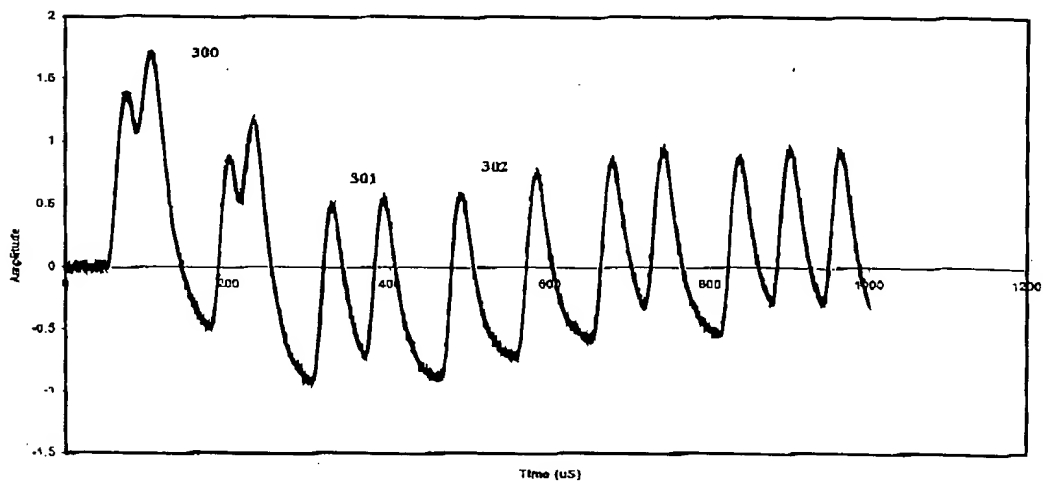


FIG. 12

See-RT 5 Typical signal

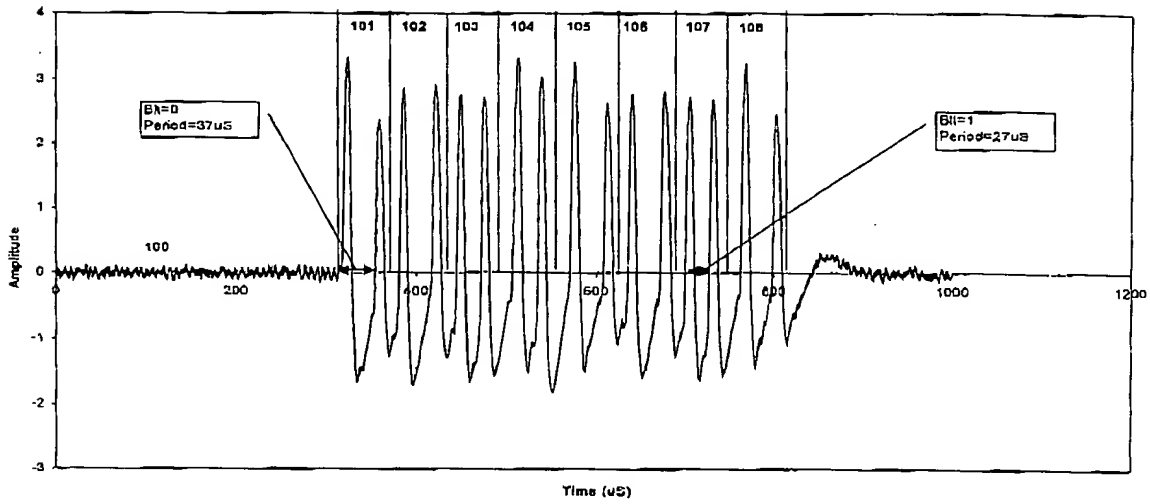


Fig. 13

103220 02562660

03552550 03552550

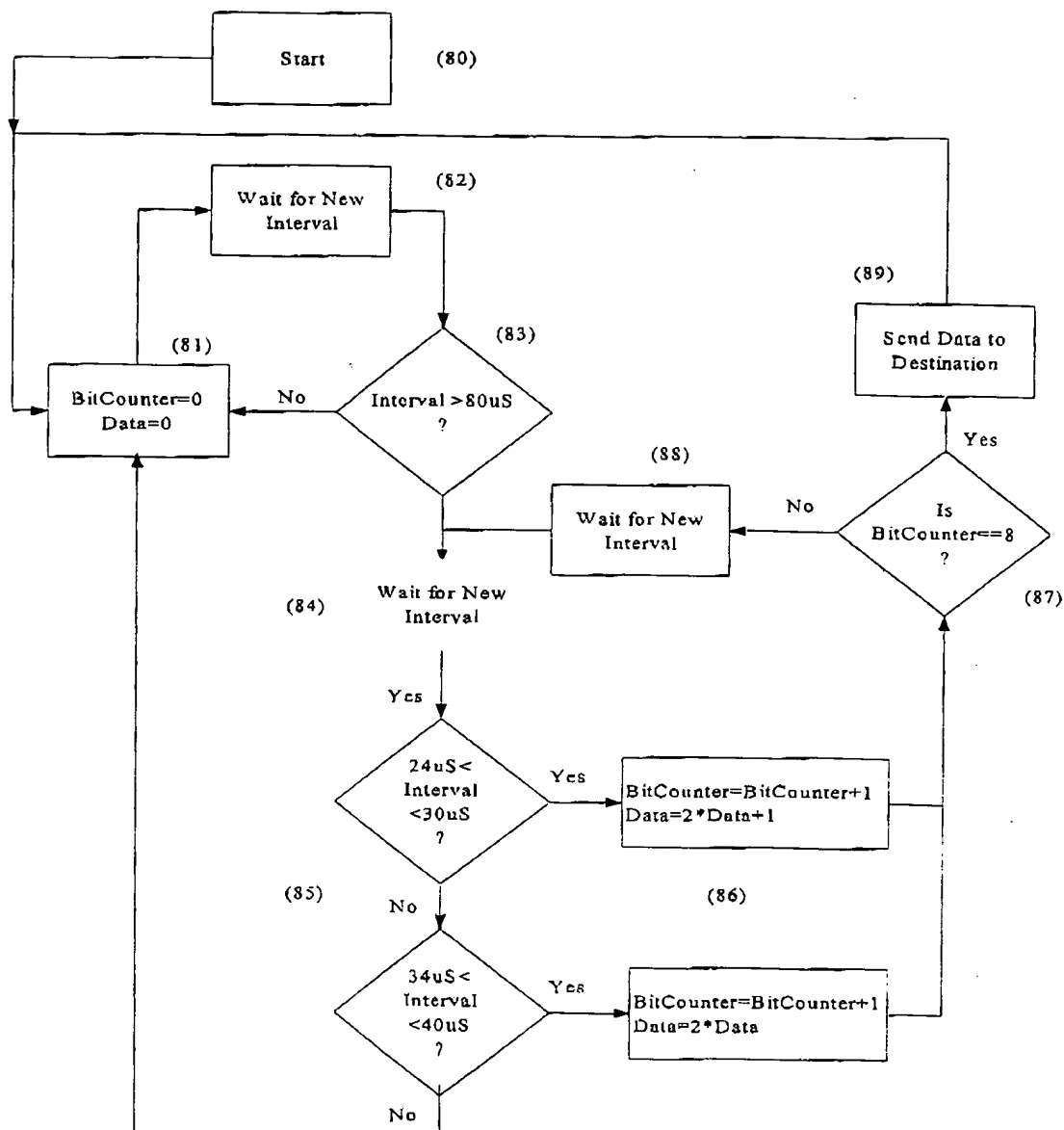


FIG. 14

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graph TD
    Start([Start]) --> WaitNewInterval1[Wait for New Interval]
    WaitNewInterval1 --> IntervalGT80[Interval > 80uS ?]
    IntervalGT80 -- No --> BitCounter0[BitCounter=0  
Data=0]
    BitCounter0 --> WaitNewInterval1
    IntervalGT80 -- Yes --> WaitNewInterval2[Wait for New Interval]
    WaitNewInterval2 --> IntervalRange1{15uS < Interval < 25uS  
or  
35uS < Interval < 45uS}
    IntervalRange1 -- Yes --> BitCounterInc1[BitCounter=BitCounter+1  
Data=2*Data+1]
    BitCounterInc1 --> BitCounterEq8{Is BitCounter==8 ?}
    BitCounterEq8 -- Yes --> SendData[Send Data to Destination]
    SendData --> Start
    BitCounterEq8 -- No --> IntervalRange1
    IntervalRange1 -- No --> IntervalRange2{25uS < Interval < 35uS  
or  
45uS < Interval < 55uS}
    IntervalRange2 -- Yes --> BitCounterInc2[BitCounter=BitCounter+1  
Data=2*Data]
    BitCounterInc2 --> BitCounterEq8
    IntervalRange2 -- No --> WaitNewInterval1

```

FIG. 15

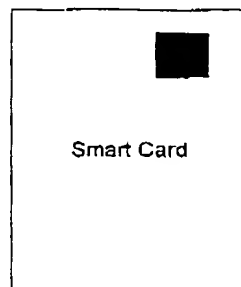
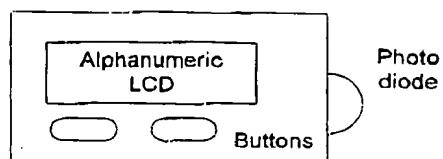
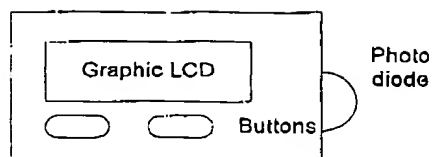


FIG. 16A

FIG. 16B

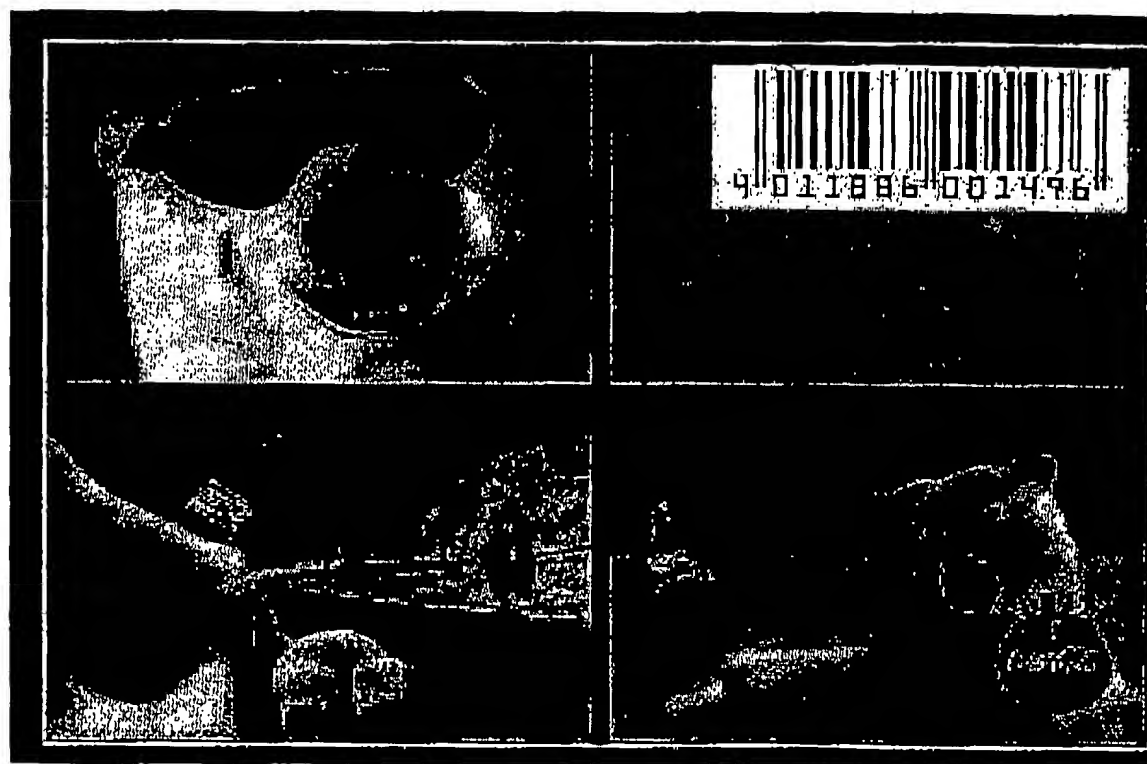


FIG. 17

THE UNIVERSITY OF CHICAGO

00039580 082801

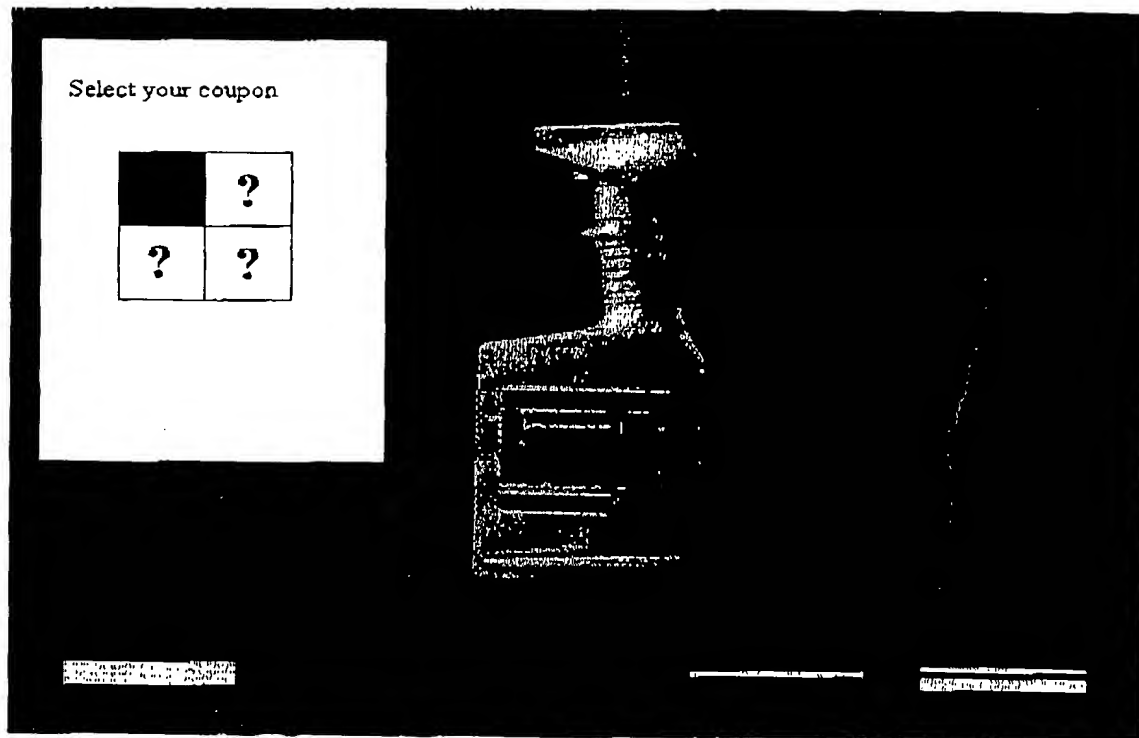


FIG. 18A

Select your coupon

| | |
|-----|---------------|
| 30% | Free tool |
| 50% | Free drink |

FIG. 18B